

ABSTRACT OF THE DISCLOSURE

A jacketed stent assembly comprising a tubular, expandable stent, preferably having a metallic framework, jacketed with a cylinder of biocompatible, non-thrombogenic expandable material, such as heterologous tissue, which, in a preferred embodiment, contains a therapeutic or diagnostic agent. In a preferred embodiment, the jacket of the expandable stent is formed of bovine or porcine pericardial tissue. A delivery catheter having an expandable member on its distal extremity may be used to deliver the stent assembly to a desired region in a lumen of a patient. The jacketed stent is expanded to be seated within the body lumen. Self-expanding jacketed stents are also contemplated

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